

FIG. 1

GCAGTAAGTGGAGGACAAAAAGGAATACTGGGATTAGATAGAATGTAGCG
ACATTCTGCGGGGTGGGGTGGTATAAGTAGATATACAGAACGGAGGACCG
TCTCCTGGTCCTCAGCTTTGGGTCTTCTCTACCTTGGCCTTGATCTTCTG
CTCGAGGACCGCCTTCTCCGTGTCGAGGTTGAACATCCTGTTGAGGGCGT
GCATGTTGTGCGAGCGTCTCGTCCAGGGTGCGGCTGTCGCTGCCATCGCAT
CTCAGGTGCTGCAACGGGGCCGTGGAGGAGCTTGTTCACTATGCCCGTGCT
CAGCTCTTCGATAGACCTTCTCGTCTTCTTGTTGAGGTTGTCTTCCCCGA
TCTTCTGCAGGCACTTGTCGAGCTCGGATGCCCTGATCCTGTCGGCATAAC
GACCTCAGCTTTTTTGATGGTCGGGACCGTCTCCAGCGAGTCCCTCCACGC
CTCGAACCGCTTCAGTTCTTGGGTGATGATTGCTTGGGCCTCCATTGCTT
TCCTGACACGGTCTTCCCTTGTTGGCTTCCACCACCTCTTTCAAGTCGTCA
ACATTGTATACCGTGCGTGCTCCACTTGAGATAGGCAGGCACCGACGTT
CCTTGGGACGGATATGTCGACGAAAAGCCGAACACCACCCATGGCAAGAG
AGATAGGAGGAAGCGCCTCCGCATGCCCTTGGTGAAT

FIG. 2

H602 : ATCTTCTGCA[G]GCACTTGTCG
PstI
HARUNA NIJO : ATCTTCTGCA[A]GCACTTGTCG

FIG. 3

AGATGACAGCTAGGCCCTGAGCAGGGGACACATGAATATTTCCCGCTCAC
TACCCTATCTATACTATCCAGTATCTACACATGAATATTTCCAGAGATTT
TGCTATTATGATACTGCGATCAAGAACTGTCTGCAAAATCAAGAAACACT
ATTTTGATTACGTCCCTATGATATACTGCTAGTTCCTATATATCTTTCT
GGGTTGGTGAACTTGAGCTTCTGACTGACTGCTTGGTAGGTTCATCTCCG
TGTTCTCTGGACTTGAAGGTGTGAGGAAGGGCATGCCTCCAGAGAAGAA
AAGCGTGTTGTGTGCCTACCAAACCTTGCTTCGTTGACAGCCCAAGGGCAG
GTCCCCACGTGTCGTGCTTTATTTTCTTTCTTTTCATAAACACCTTCAA
ACTTTTTTCAACCACGCGCTGCAACTGGAAGTAATGATTGTACAGGCTCT
TCTTTAATTCAAATCACACGCAACGTCACAAATACTAACCTTGACATGCC
TGGAAGTGGCAGTGTGGCTACCATCCACCTTCGCCTAGTTGCCATGTATA
AAGATACGGTGGAGCTTGTTGGCATTGACCGCATAAGGAACGAACCTCAA
AGCTGCTTAATGAGGACAAGACATCTAATGAAGAACAATTGAAGA

FIG. 4

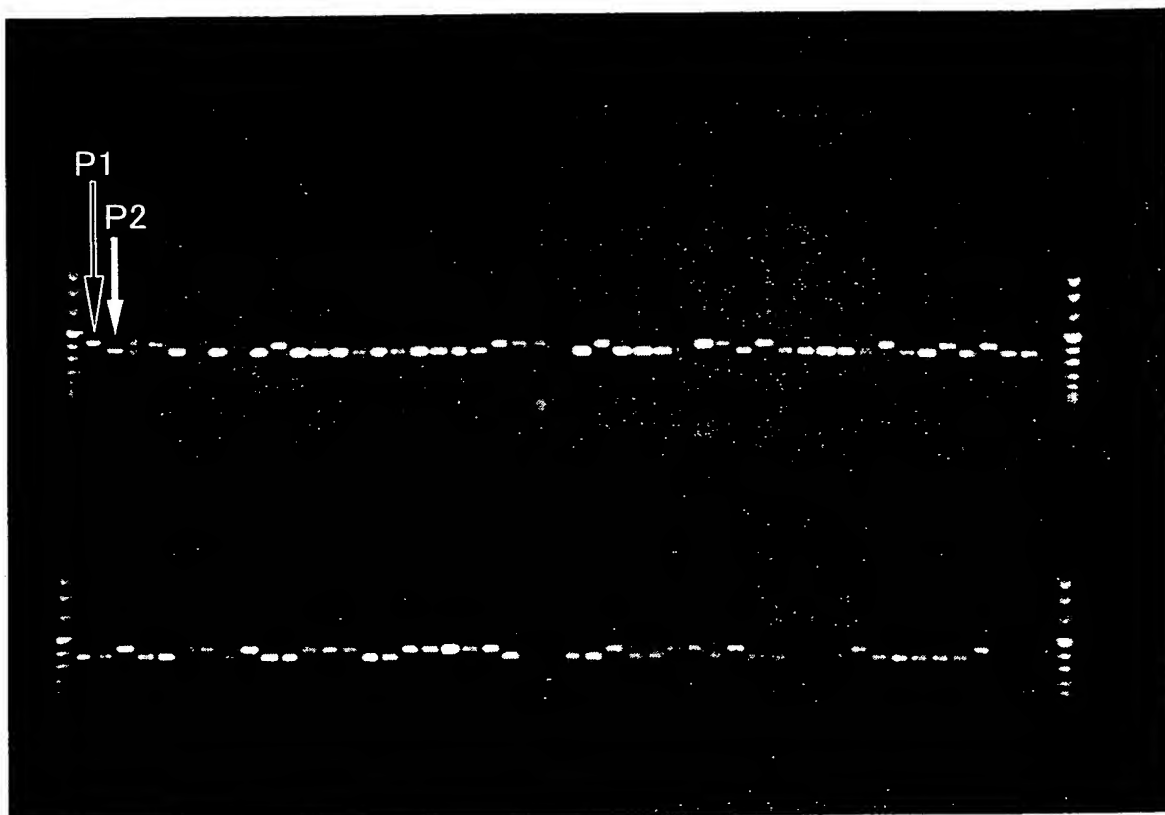


FIG. 5

CATGCACATNAATTGAATACAGGNACTAGNAACTTACAATACATAAGCGT
GACGACATTCCATAACTCCAATGTGATTTTAGTAGTCACGTACAACATGA
TCTAATTATTATTATGGCGCCATCCAATTCTTAGCGACCGACGAGATGTT
TTCATCGTTGTTTGTAGTAACACAAAACAGAGTAGACTGTTTGGATGACT
GCGAGAAGTAAGCCAATAGCAGCTGCCATGAGCCCAACGGGCAAGCCATGG
GTTCCCTCAAGTACCTCTGCCTTAGCCAGGCAGTCCACCTCCGGGGGTTCG
TCTGGAACCGCTTCTCCAGCTTCTTGCAATGTCTCCCGTAGGTAGTTGCAG
CCGGGGTTCATCAGGGTCAAACATAATCCCCTTGCAAAGGTTCGACGAAGCA
TTTGGCCACCTCTTCGTTGTTGCCGTGGCCGTGCACGATGACGCCTCTCC
TCACCAAGAGCTCCACGTCCTTCGTGGTGCAGGCCATCTGGGACATGAAC
ACGCAGTATGCCGTGACATGGCTCCCCACCGTCTCCCGGTTCTCTGCTC
CAGCTCCATCAGGTTGCGTAATAGCCGCCACGTCTCGGCGTCGATGTCCA
GGACGGGGATCTCCAGCGTACCGCCACCGCCGTCCAGCTTCACGTCGAGG
ATGCAGCGGATGACACCCTTCTCGCTCATGGCCCCGGGGCGTTGAAC

FIG. 6

H 6 0 2 : T G C C G T G G C C G T G C A C G A T G A
ApaLI

HARUNA NIJO : T G C C G T G G C C A T G C A C G A T G A

FIG. 7

AATCTTAGCATTCCTGTTCTCTATTTACGAATTACCTAATGGTAATGCAT
GAGCAGTAGTCACAGGATAACTTCCGATACCTCCAAGCAGTTGCAACTCA
TAAGATGAAATTATTTACAAAGAGTGGCCATGACTACCTACCCTACCTGC
TATCTACAGTTTTTTTTTGGATATACTATTCACAGTTGGTGTCTGAAGAGAC
GTAACCAATCTAGGAACATACATGGGCAAGGAATGACCCCGGAAGCTAAG
ATGATGAATTGGAAGAGGAGTCATGTACACAACCTACTTATAGACTATAT
ATAATTTTAGGGCCATTTCTCAACCAACACCTATTTGACAAGGGCAAGAA
TTTTACTTCGTATTGATGAAACAGATATCACAATTCACCATTACGGCATT
ACTTACCTAGTTGATGCCAAAGAACTTAATAATATCTAAGAAACTATCC
ACCTAAGGAATGACCAGAGAAGCTGAGATGATGAATTGGAAGGAGTCAA
TACAGAACCCATTTTTAGATTATATGTACAAAATTTTAGGGTCATTACTC
AGCCACACACCTATTTGAAAACAACAGGAAGAATTTTACTTAGTCATGAT
GAAACAGATTTCTTTTAACAAATAAGAATTCGACTACTCCTTAGATATCT
AAAGATGGATGACGTAGCCAGATACCATGTAGAACAACCTGAAAAGGCGTGT
ACCGCATGTTCCGACTGAAGACTATCAATCATGGTAAG

FIG. 8

H602 : ATTACTCAGCTACACACCTAT
AluI
HARUNA NIJO : ATTACTCAGCCACACACCTAT

FIG. 9

H602 : CTTATGTGATCATAATACTGC
Mbol
HARUNA NIJO : CTTATGTGATAATAATACTGC

FIG. 10

H602 : AGCCTTCCACTTGGTATCATTT
HARUNA NIJO : AGCCTTCCACCGGTATCATTT
HapII

FIG. 11

H602 : TTTATGTGCCTGTAGCGGTTG
HARUNA NIJO : TTTATGTGCCGGTAGCGGTTG
HapII

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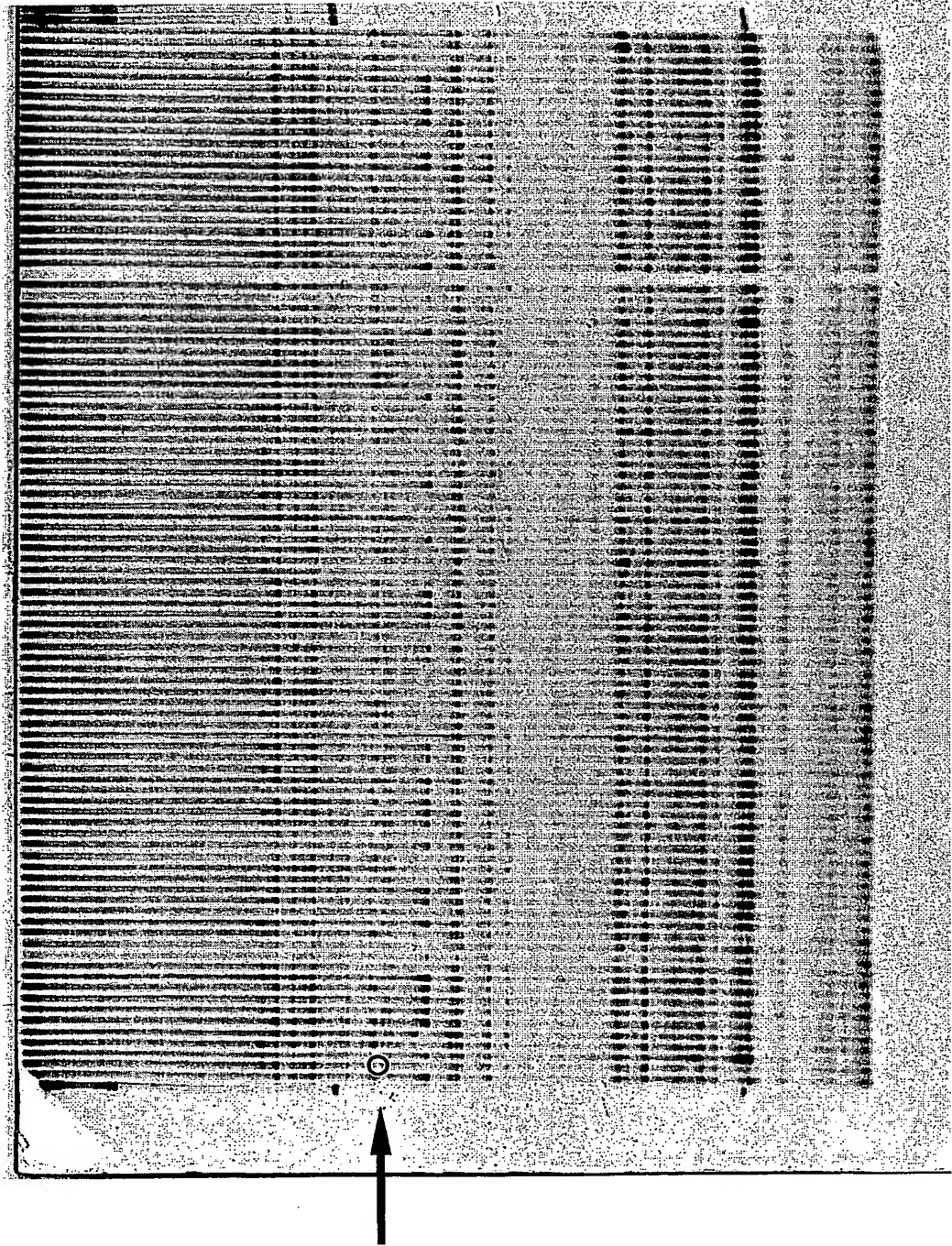
LEFT LANE ← → RIGHT LANE

FIG. 12



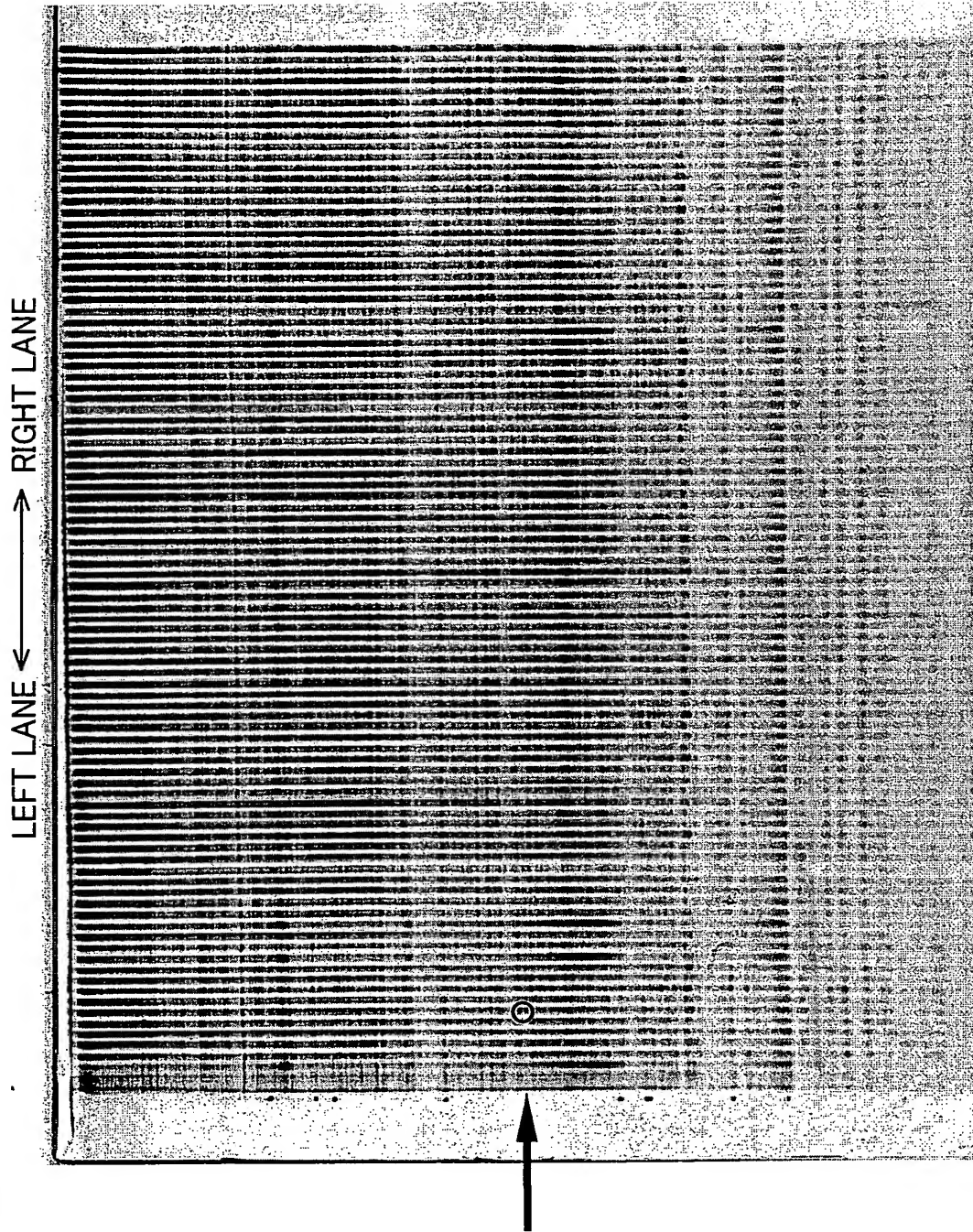
FIG. 13

LEFT LANE ← → RIGHT LANE



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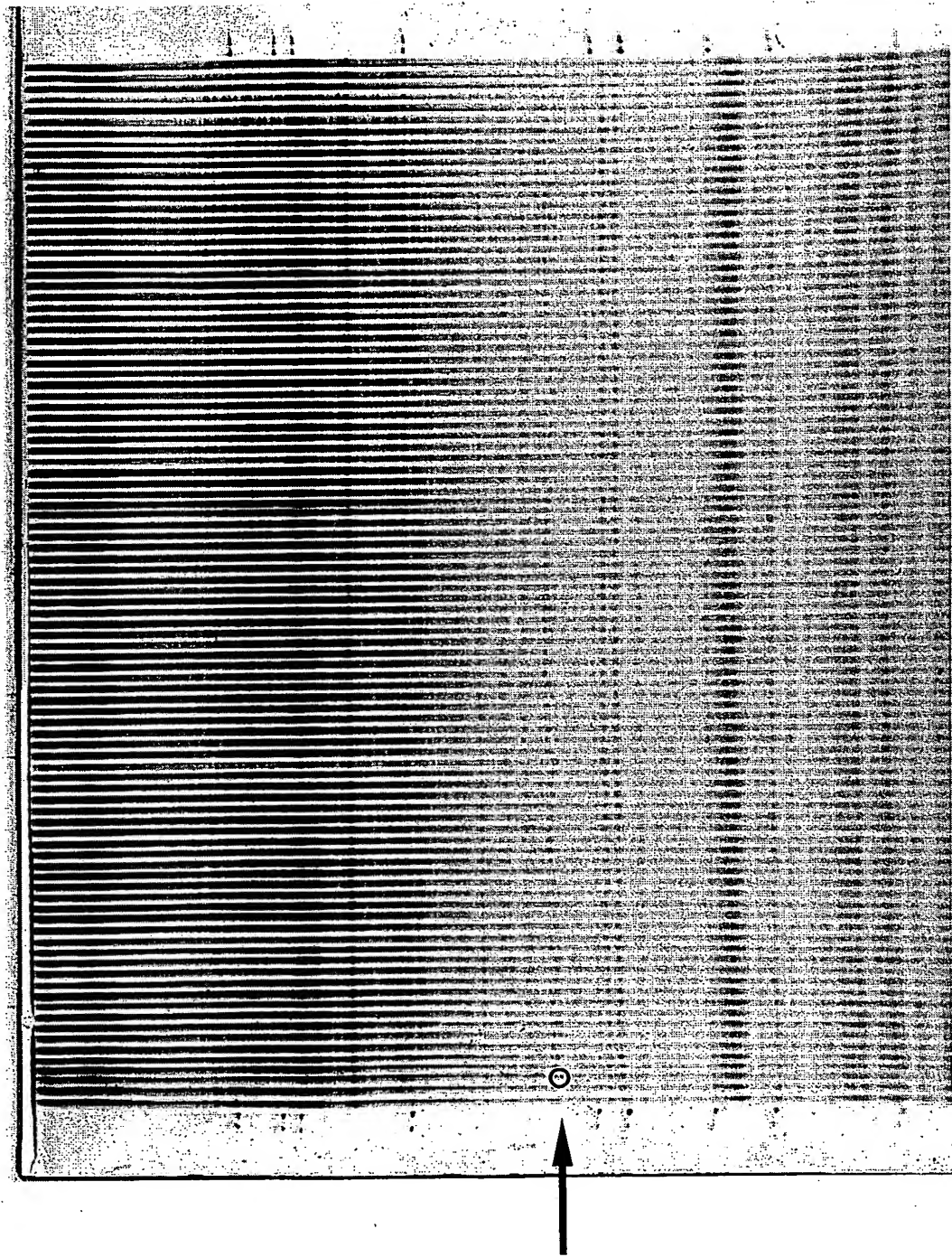
FIG. 14



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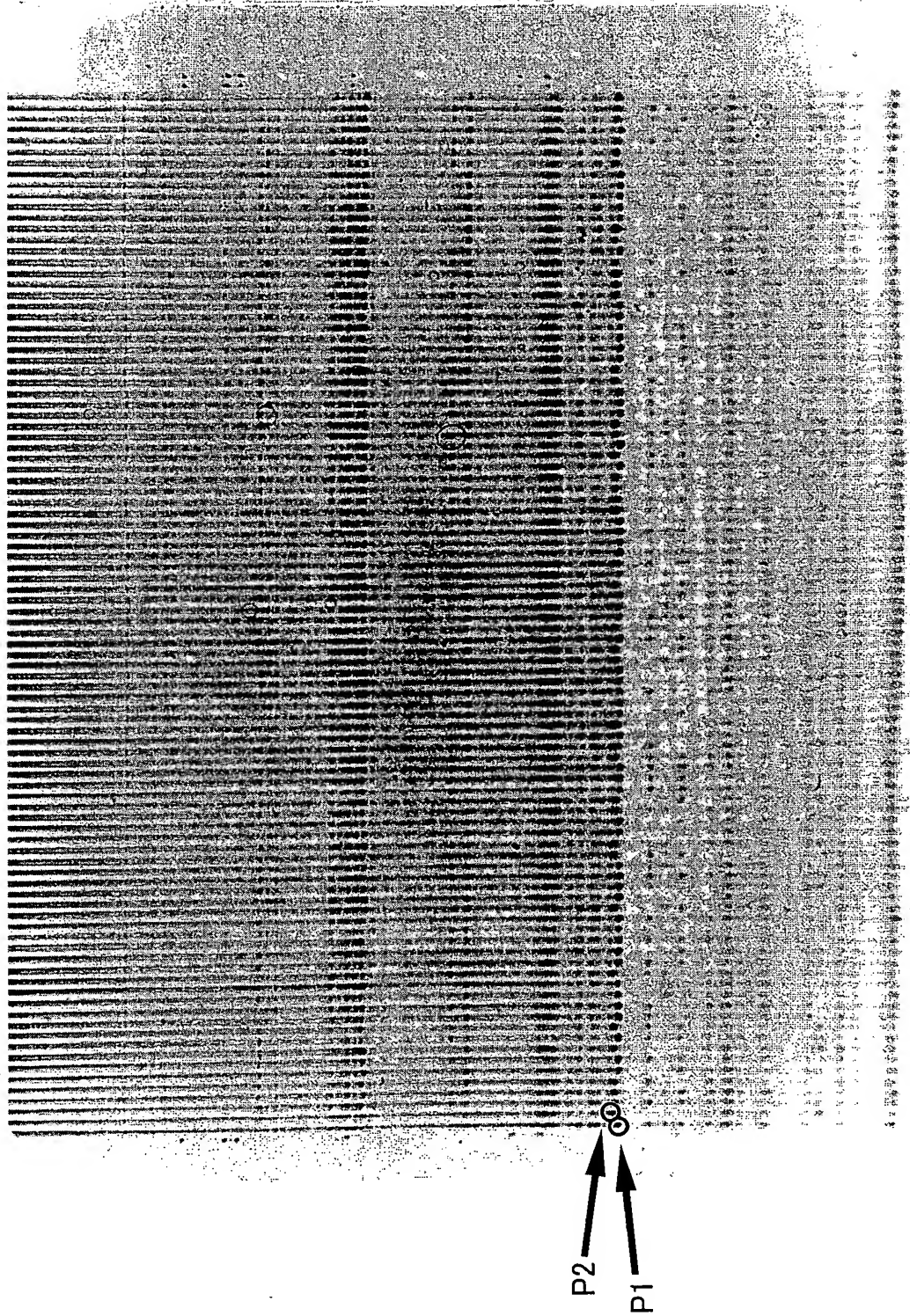
LEFT LANE ← → RIGHT LANE

FIG. 15



LEFT LANE ← → RIGHT LANE

FIG. 16



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LEFT LANE ← → RIGHT LANE

FIG. 17

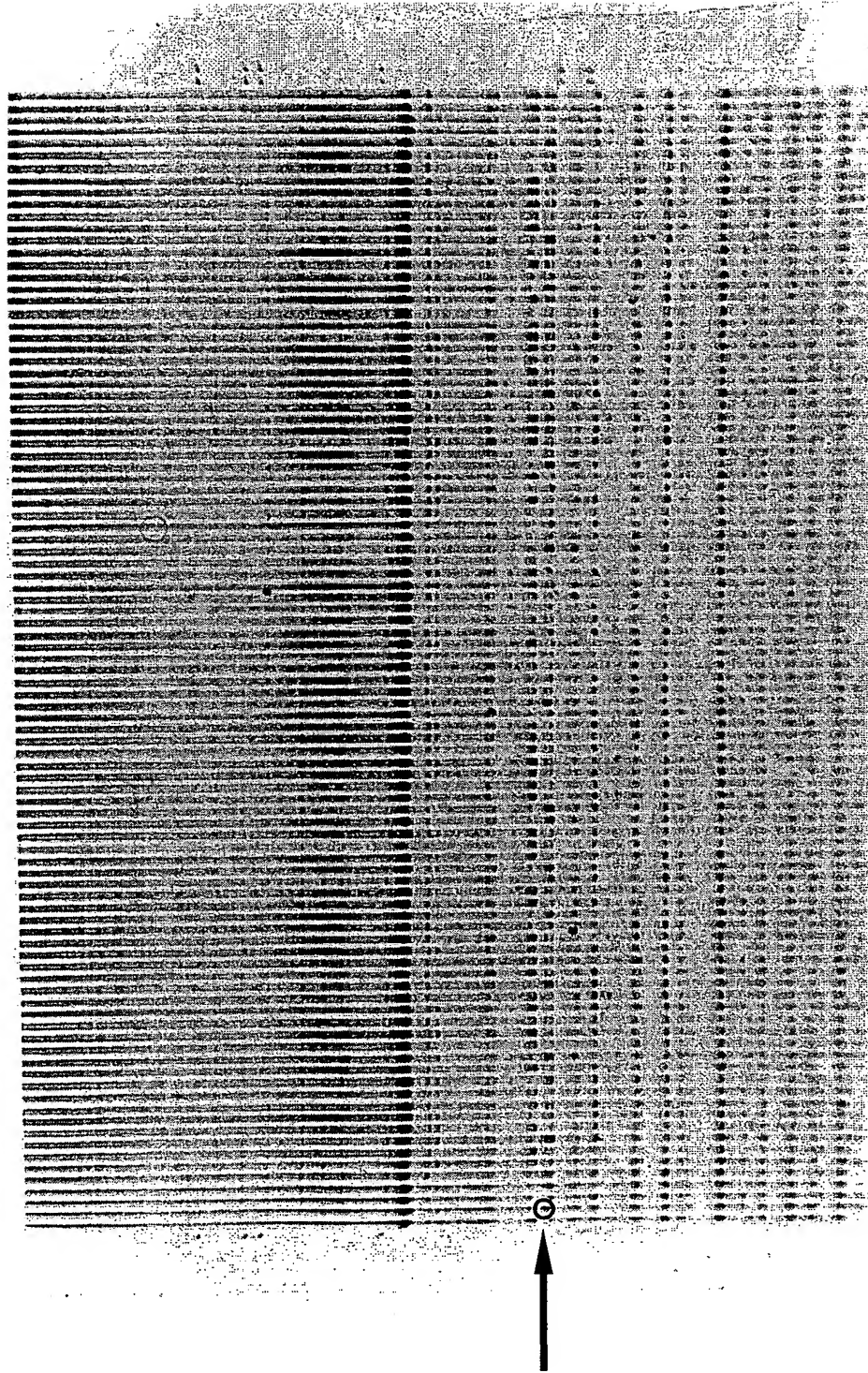
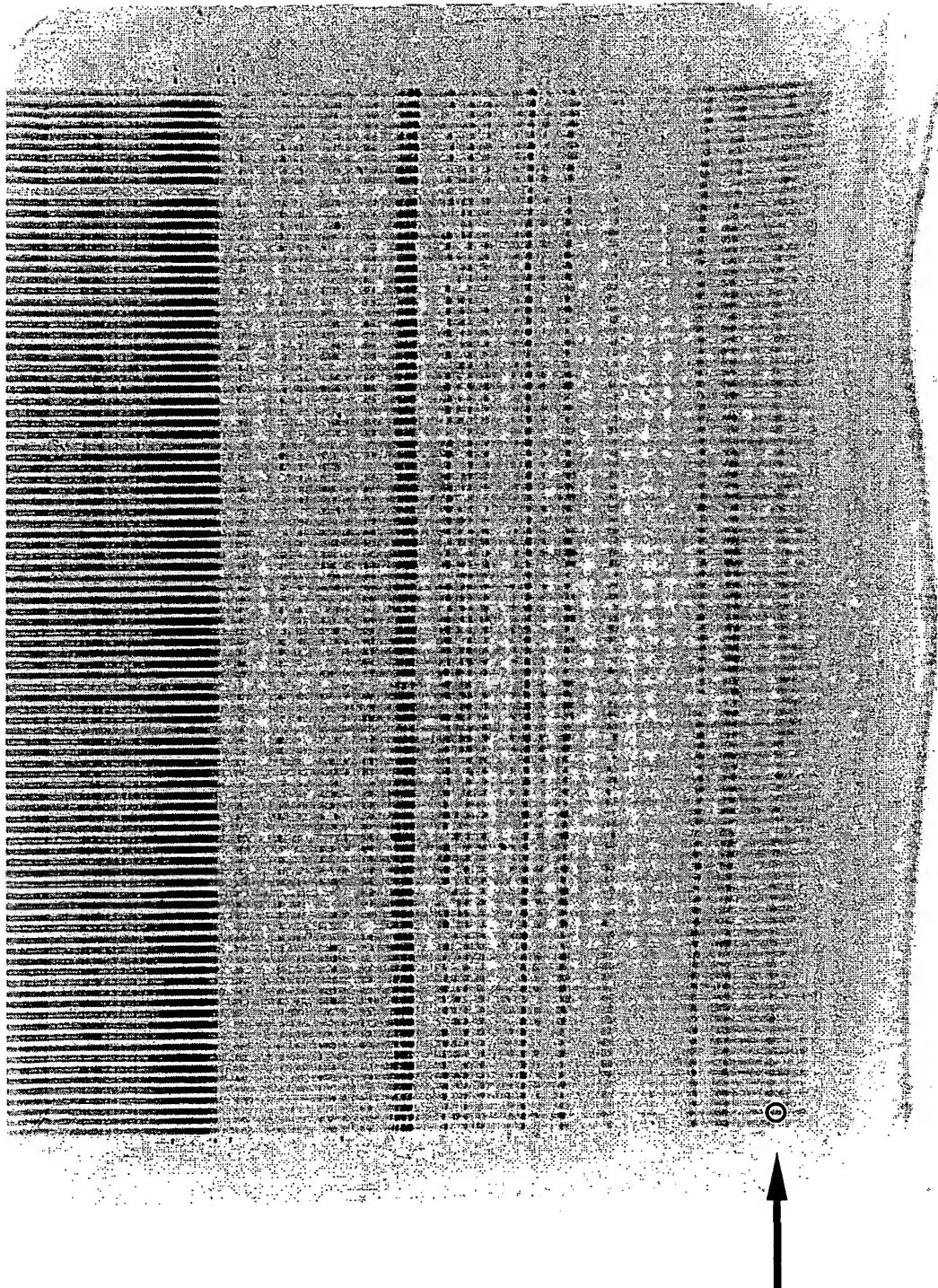


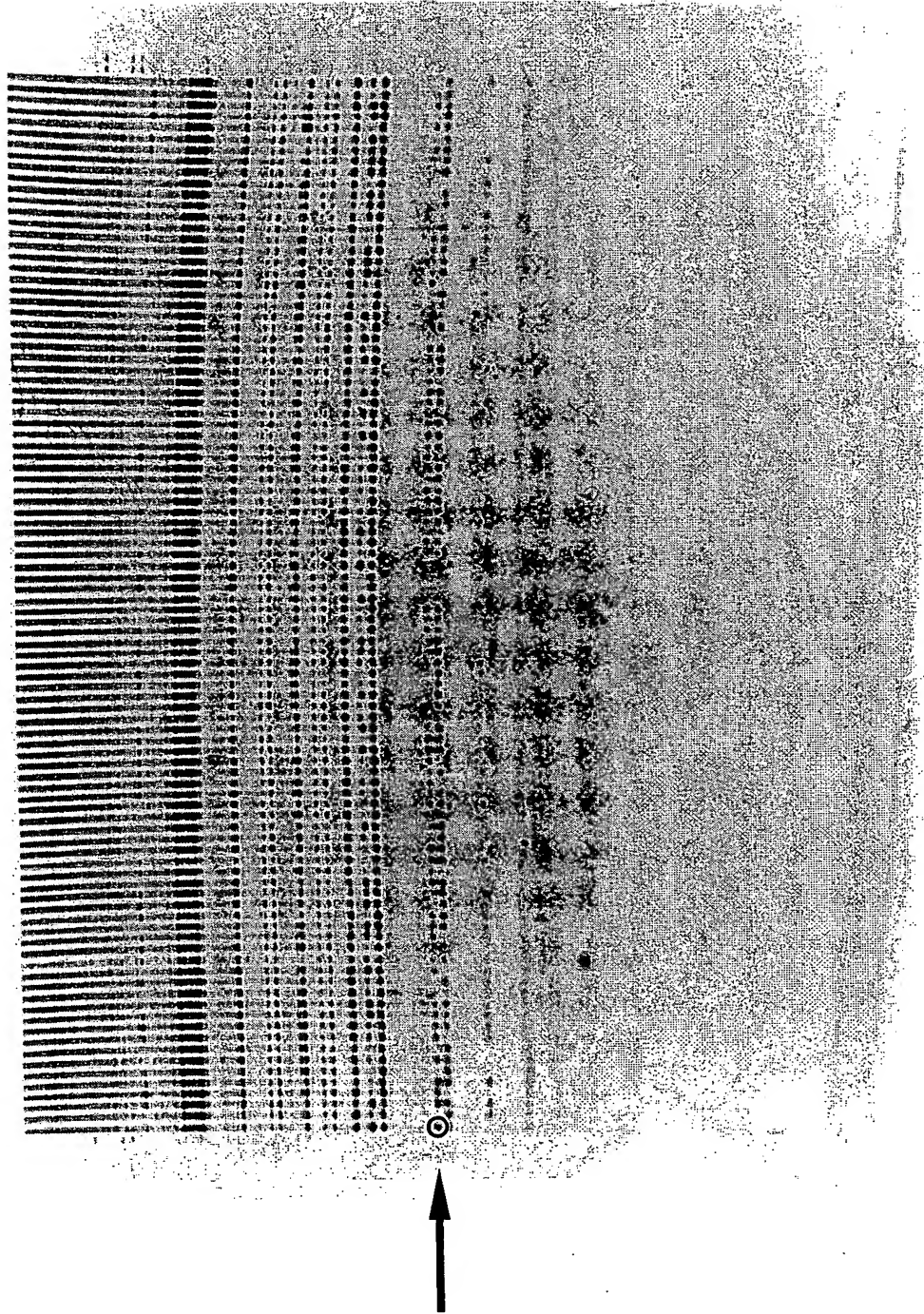
FIG. 18

LEFT LANE ← → RIGHT LANE



LEFT LANE ← → RIGHT LANE

FIG. 19



LEFT LANE ← → RIGHT LANE

FIG. 20

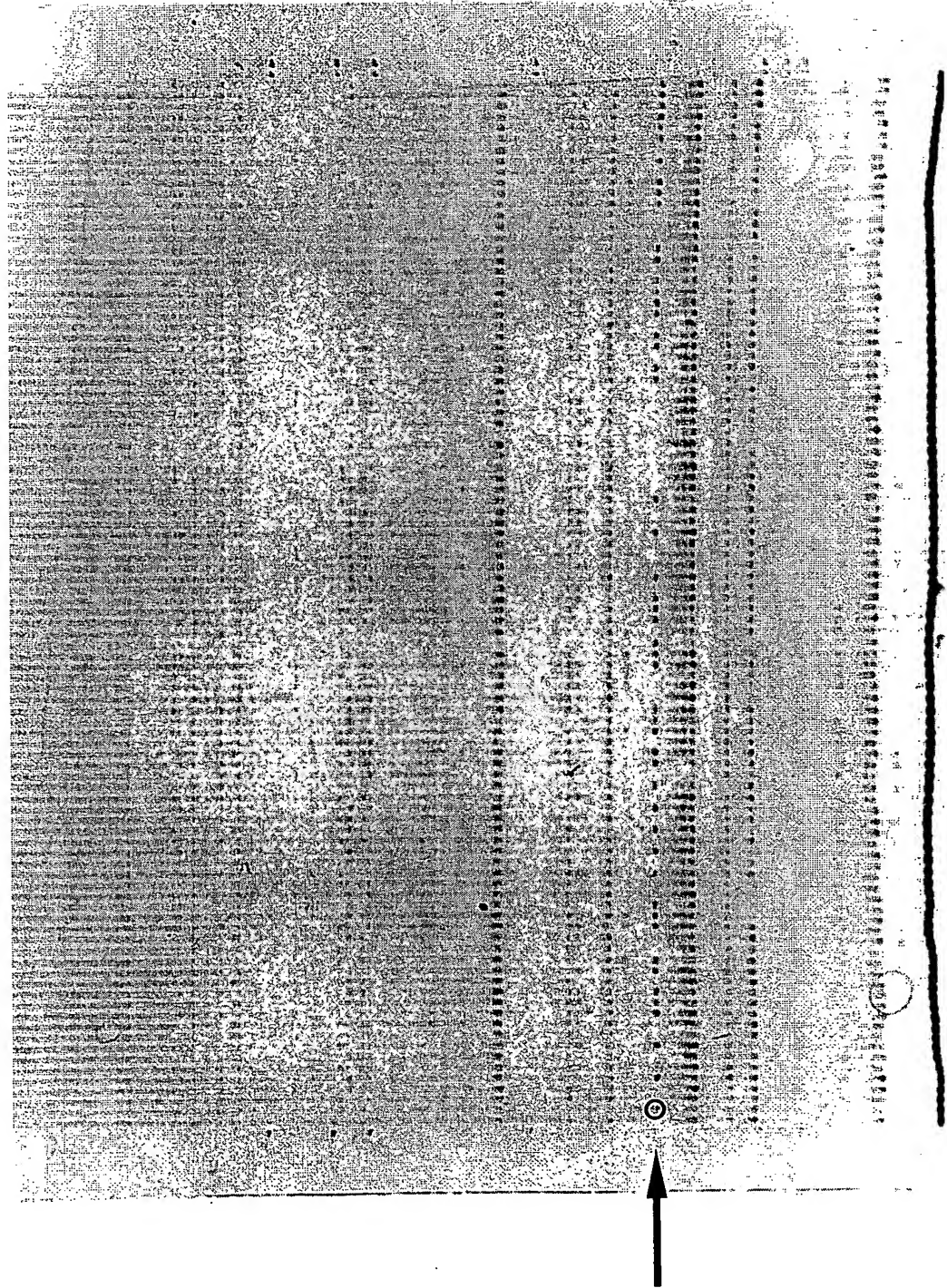


FIG. 21

LEFT LANE ← → RIGHT LANE

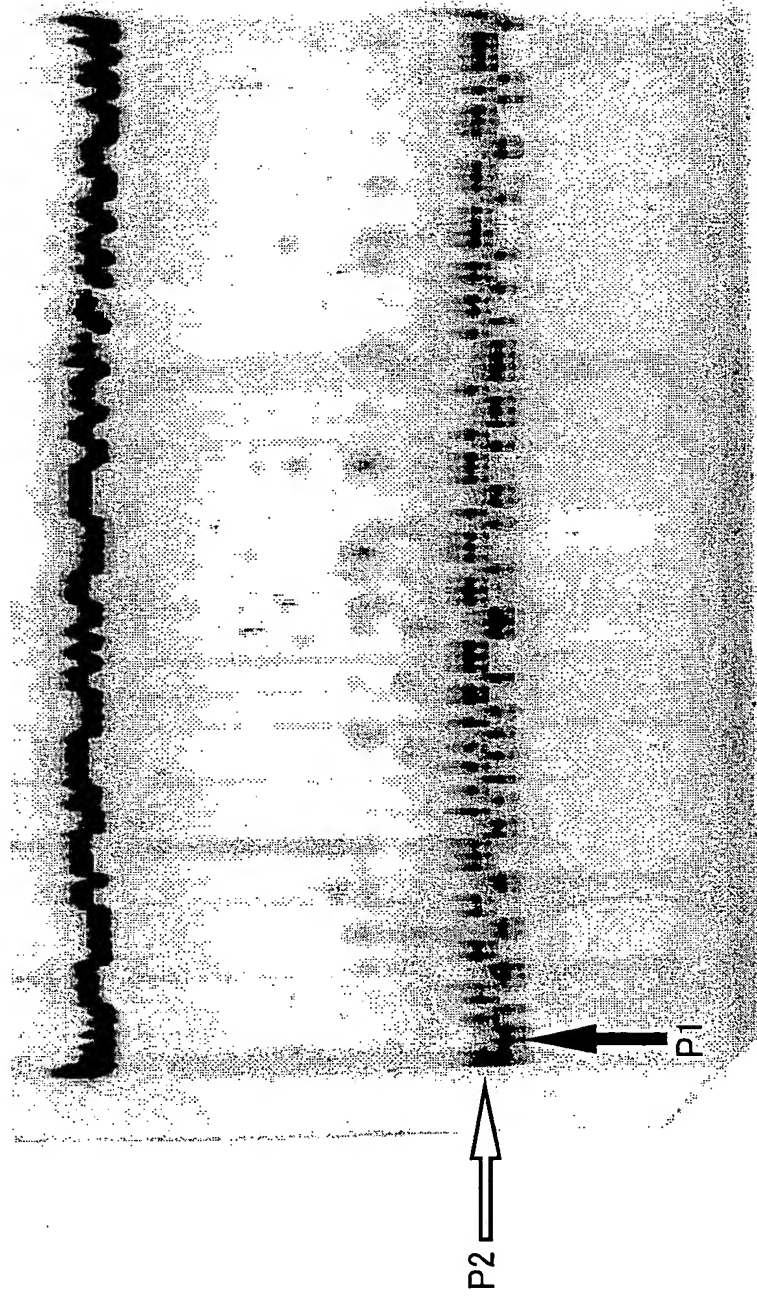


FIG. 22

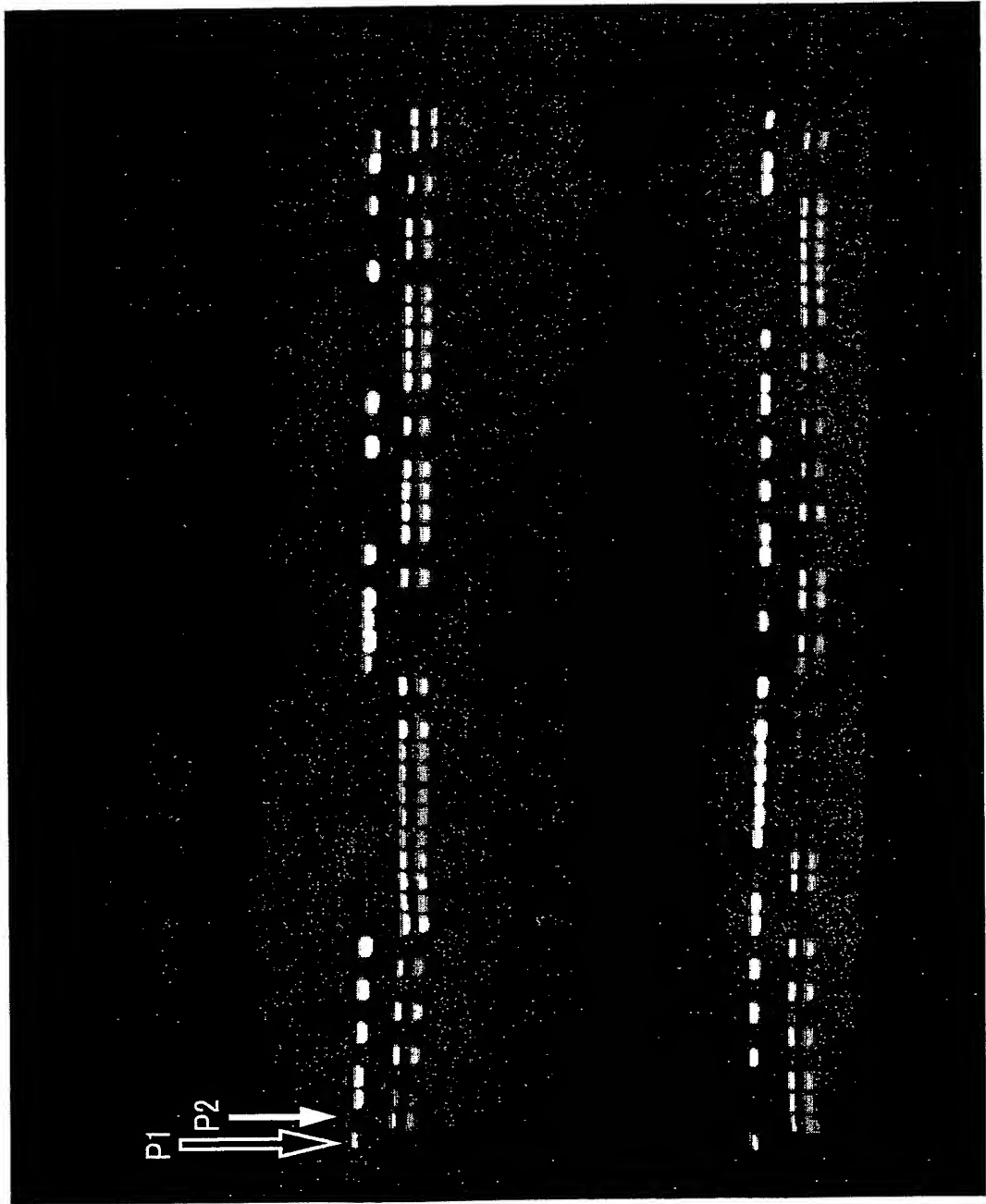


FIG. 23

LEFT LANE ← → RIGHT LANE

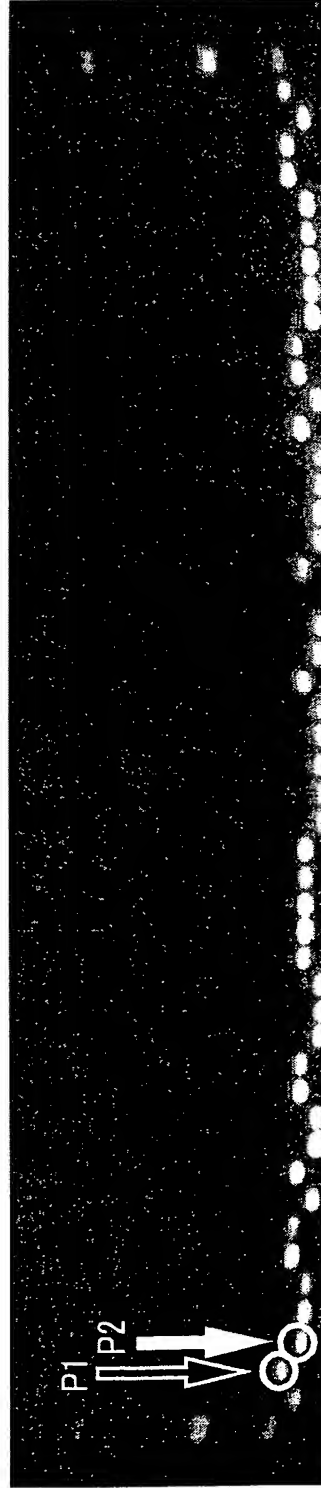


FIG. 24

LEFT LANE ← → RIGHT LANE

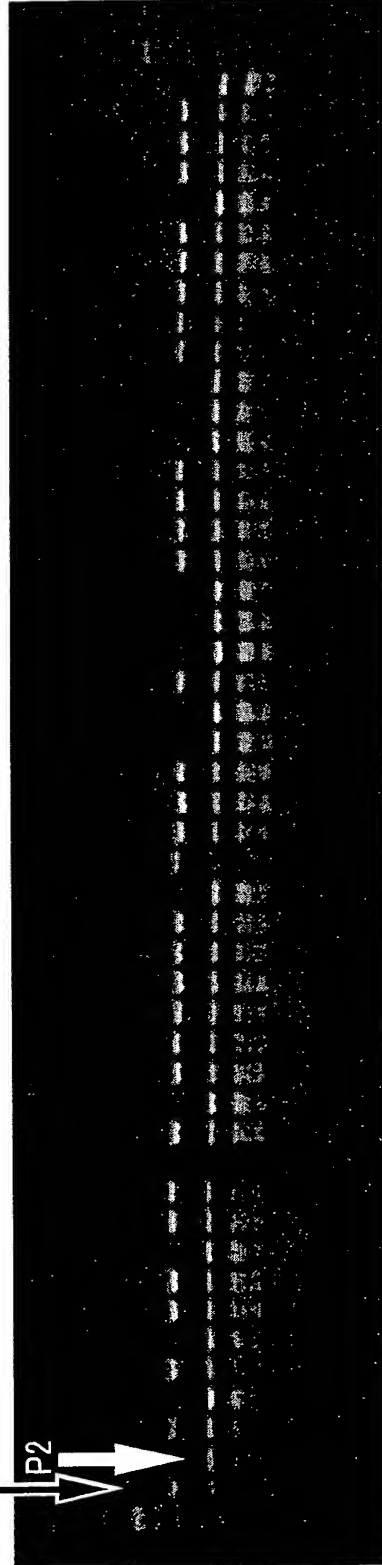


FIG. 25

LEFT LANE ← → RIGHT LANE

P2
P1

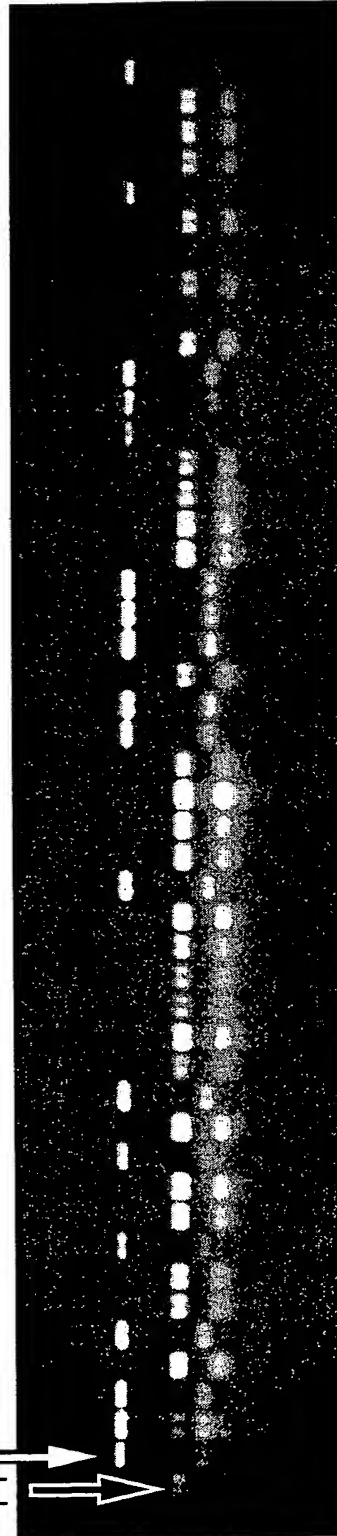


FIG. 26

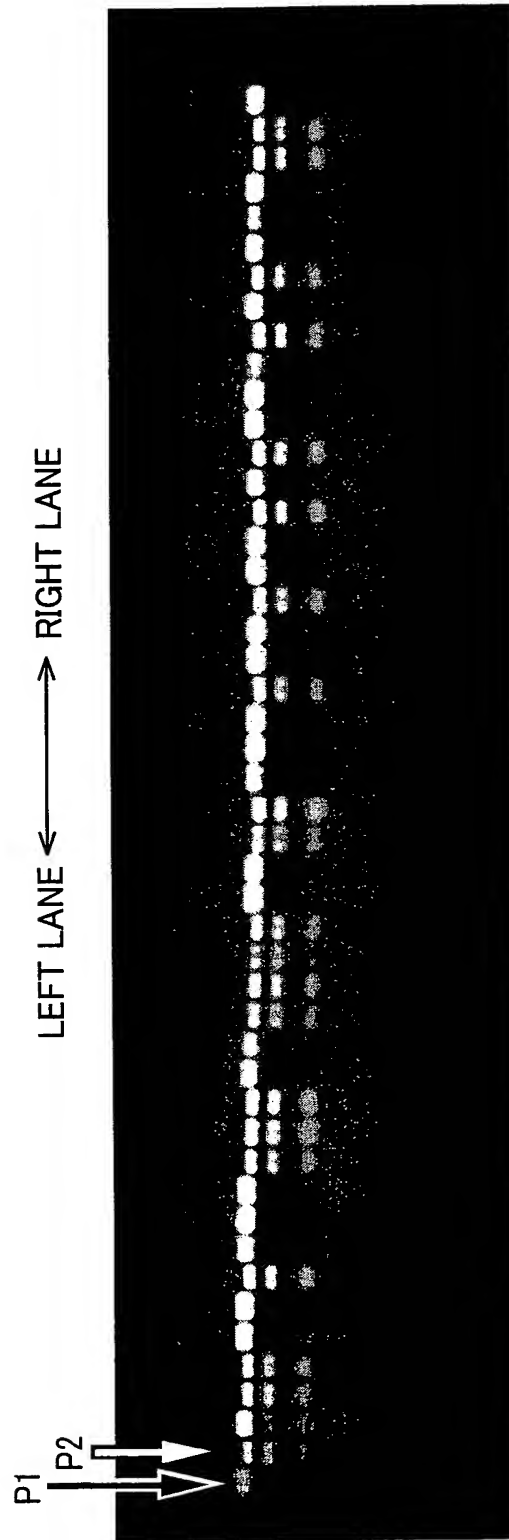


FIG. 27

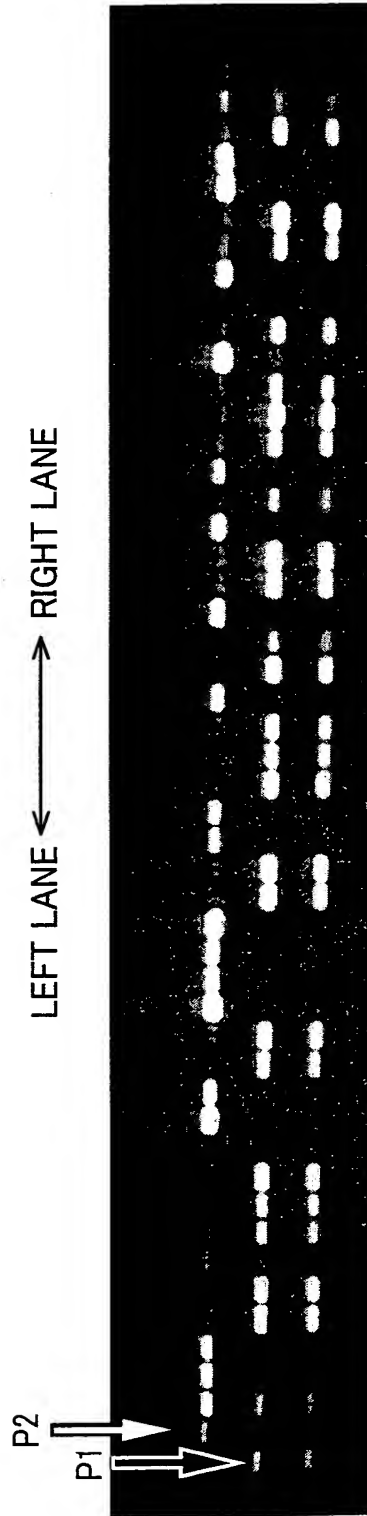
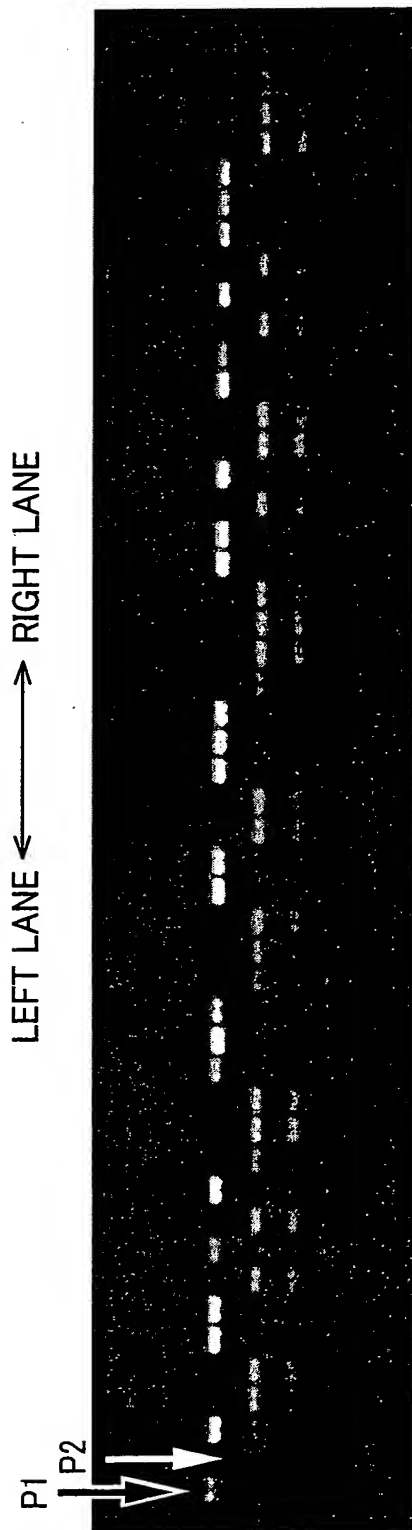


FIG. 28



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